EXHIBIT F-4

DETAILED INTERFERENCE STUDY

KSCI(TV), Channel 18, San Bernardino, California Coordinates: 34° 11' 15" - 117° 41' 53.5" ERP (main lobe, maximum) - 3334 kw HAAT = 2380 feet

	KSCI				Proposed Chan		
Az. (°T)	Effective* Ht. (ft. AAT)	ERP** (dbk)	64 dbu (mi.)	Az.	Effective* Ht. (ft. AAT)	ERP (dbk)	70 dbu
7.17	MC. (TC. AAT)	(dbk)	(1111.)	(1)	Ht. (ft. AAT)	(UDK)	<u>(mi.)</u>
25	- 1386	17.5	13.5	205	1629	-1.3	13.5
30	- 789	18.2	14	210	1622	-1.2	13.5
35	- 162	18.8	14.5	215	1617	-1.3	13.5
40	- 194	19.3	15	220	1616	-1.4	13.0
45	- 491	19.8	15	225	1625 -	-1.4	13.1
50	- 891	21.7	17	230	1640 —	-1.4	13.2
55	-1049	23.2	18.5	235	1661	-1.3	13.6
60	1022	24.5	19.5		· .		

Determined by NGDC database and FCC file data; if HAAT <0, 100 feet assumed

^{**} From BLCT-2579 (main lobe, worst-case)

EXHIBIT F-4
(cont'd)

K33AD, Channel 33, Bear Valley Springs, California Coordinates: 35° 09' 09" - 118° 34' 50" ERP = 0.02 kw (max.); HAAT = 540 feet

	K33AD				Proposed Chann	el 33	
Az.	Effective* Ht. (ft. AAT)	ERP** (dbk)	74 dbu (mi.)	Az.	Effective* Ht. (ft. AAT)	ERP (dbk)	29 dbu (mi.)
11/	116. (16. AAI)	(dDK)	<u> </u>	11/	116. (16. AAI)	(dbk)	(111.)
90	392	-17.0	2.0	280	1742	-3.0	75
100	484	-17.0	2.2	235	1754	-3.6	74
110	358	-17.0	1.9	290	1777	-4.2	72
117	207	-17.0	1.6	295	1806	-5.0	70
120	50	-17.0	1.1	300	1839	-5.7	70
130	-440	-17.0	1.1	305	1853	-7.3	66
135	- 588	-17.0	1.1	310	1854	-9.2	61

^{*} Determined by NGDC database and FCC file data; if HAAT <0, 100 feet assumed

BPTTL=831214WV, Channel 33, Thermal, California Coordinates: 33° 39' 34" - 116° 05' 24" ERP = 10.4 kw (max.); HAAT = 91 feet

	BPTTL-8312	14WV			Proposed Channe	el 33 _	
Az. (°T) Ht.	Effective* (ft. AAT)	ERP** . (dbk)	74 dbu (mi.)	Az. (°T)	Effective Ht. (ft. AAT)	ERP (dbk)	29 dbu (mi.)
270	567	9.4	11.5	120	1509	-5.7	64
 280	549	9.6	<u></u> 11.5	125	1528	-5.0	67
290	542	9.9	11.5	130	1513	-4.2	68
300	534	10.1	11.5	135	1507	-3.6	70
315	446	10.1	10.5	140	1489	-3.0	70
320	352	10.0	9.5	145	1485	-2.6	72
330	240	9.6	7.5	150	1501	-2.3	73

^{*} Determined by NGDC database and FCC file data; if HAAT <0, 100 feet assumed

^{**} Worst-case ERP assumed

^{**} From FCC application data

EXHIBIT F-4 (cont'd)

KMEX-TV, Channel 34, Los Angeles, California Coordinates: 34° 13' 35" - 118° 03' 56" ERP = 1950 kw (max.); HAAT = 2940 feet

KMEX-TV		Proposed Channel 33					
	Az. (°T)	Effective* Ht. (ft. AAT)	ERP (dbk)	79 dbu (mi.)			
	225	1605	-1.4	7.6			
	230	1620	-1.4	7.6			
See Exhibit F-5	235	1641	-1.3	7.7			
See Emiliaria F-0	240	1656	-1.2	7.7			
	245	1674	-1.3	7.8			
	250	1690	-1.3	7.8			
.	- 255	1704	-1.4	7.8			

^{*} Determined by NGDC database and FCC file data

ENGINEERING EXHIBIT

APPLICATION FOR CONSTRUCTION PERMIT SPANISH INTERNATIONAL COMMUNICATIONS CORPORATION STATION KMEX-TV

LOS ANGELES, CALIFORNIA

CH 34 1950 KW (MAX)

DA

2940 FT

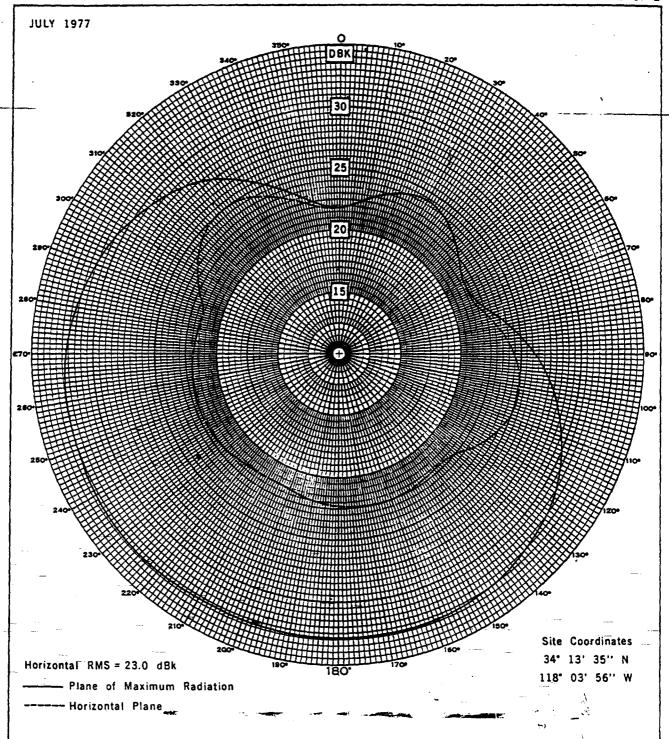
Tabulation of Data Relative to Coverage Contours

		i	1		77	mit field			
		Antenna		Depressio	on Vertical	rel-to vert.	major lobe		
	2-10 Mile	Height	Depression	Angle of	F Plane	ERP at	re l		ces to
True	Average	Above	Angle per	Vertical	Relative	Vertical	icle to make	· ·	ours
aring of	Elevation	Average	73.684(c)	Plane	Field	Plane	ERP at	Grade A	Grade B
Radial	of Radial	Terrain	(Ah)	Maximum	at ^A h	Maximum	A _h	74 dBu	64 dBu
legrees)	(ft AMSL)	(feet)	(degrees)		Phone Gold	(dBk)	(dBk)	(miles)	(miles)
0	4698,	1178,.	0.53	0.27	.2740.99 .	98 21.83 4	$821.8\frac{/2}{\sqrt{2}}$	27.5	37
30	$4693\frac{/1}{}$	$1183\frac{/1}{}$	0.53	0.00	375 0.945	1 24.37.5	7524.4/2	30	40
45	4690,,	1186,	0.53	0.07	.33 0.96	1 23.26.3	$323.3\frac{72}{3}$	29	39
6.0	4401	$1475\frac{11}{1}$	0.59	0,27	.2740.985	98 21.83.2	$821.8\frac{12}{12}$	30	40
90	3822	2054.	0.69	-1.00	375 0.985	PIS 26.15.4	$626.2\frac{12}{}$	37	50
120	$2195 - \frac{1}{2}$	$3681\frac{/1}{}$	0.93	2,00	352 0.80	445 30.84.7	928.9	48	64
135	1381,,	4495,.	1.03	2.52	242 0.65	325 31.93.4	7 28.2	50	68.5
145	$1295\frac{71}{71}$	$4581\frac{71}{71}$	1.04	2,85	292 0.505 .	307 32.44.9	526.5	48	65
180	$1000\frac{71}{}$	$4876\frac{1}{1}$	1.07	3,29	.301 0.38	<i>304</i> 32.80.9	924.4	45.\$	62
180	994,,	4882,	1.07	3.73	.299 0.315 .	299 32.89 <i>1</i>	22.9	44	59.5
300	$1060\frac{71}{}$	$4816\frac{71}{}$	1.06	3.97	172 0.308 .	.275 32,80	7922.6	43	59
225	1143,	4733,1	1.05	3,93	,272 0.308 -			43	59
250	$1975\frac{/1}{}$	3901 / 1	0.96	3,53	.291 0.32	. 3 32.63.9	722.7	40.\$	55
270	2700,	3176,	0.86	3.00	.276 0.406 -			40.\$	54
300	3587 /1	2289/1	0.73	2.00	.327 0.72 .	445 30. 25.75	7527.4	40.5	53
315	4030/1	1846	0.66	1.48	.357 0.88	635 28.67.6	127.6	38	50
330	4253 1	$1623^{\frac{1}{1}}$	0.62	1.00	3790.98-	8/5 26.24.1	(526.2 /2	35.5	45
erage	2932	2944 (rounded to	2940)	ms = .318 = = -9.9401.	D			
				1.32					;
320	ŧ			1.32	.379	.7 .5	7		Ċ
100	ad by interr	olation -	not include		. 402	7 .5	75		•
	T .	1			/ 🗸		*		
Maximu	m radiation	employed.	1		7.73 de 7.20 a B = 7.	B ant gain	& 7.76	i	,
الما					7.20 as B 2 7	7.0	P	i	r
⊢					/.	16			

EXHIBIT F-5

Figure 5

Figure 3 Sheet 2 of 2

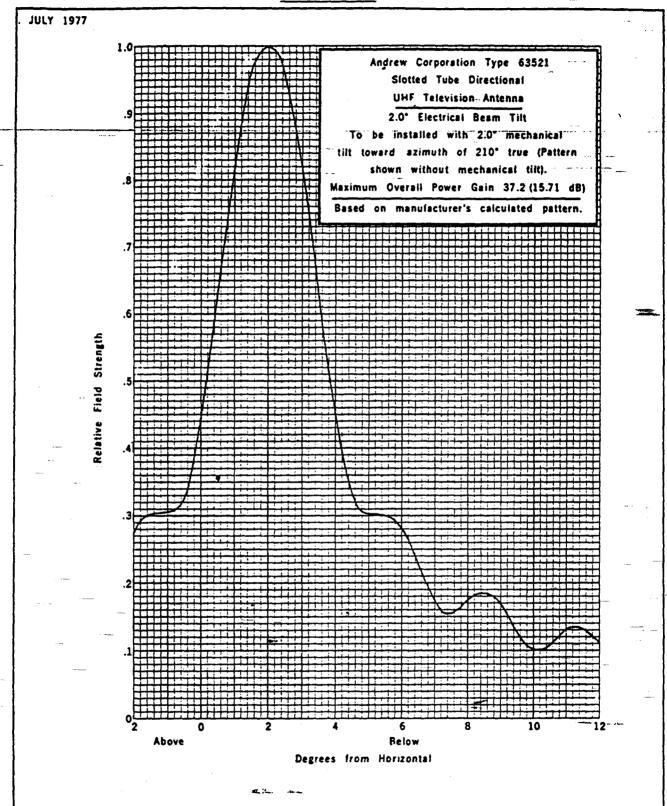


ANTENNA HORIZONTAL PLANE RADIATION PATTERN DBK

SPANISH INTERNATIONAL COMMUNICATIONS CORPORATION
STATION KMEX-TV LOS ANGELES, CALIFORNIA
CH 34 1950 KW (MAX) DA 2940 FT

Jules Cohen & Associates | Consulting Electronics Engineers

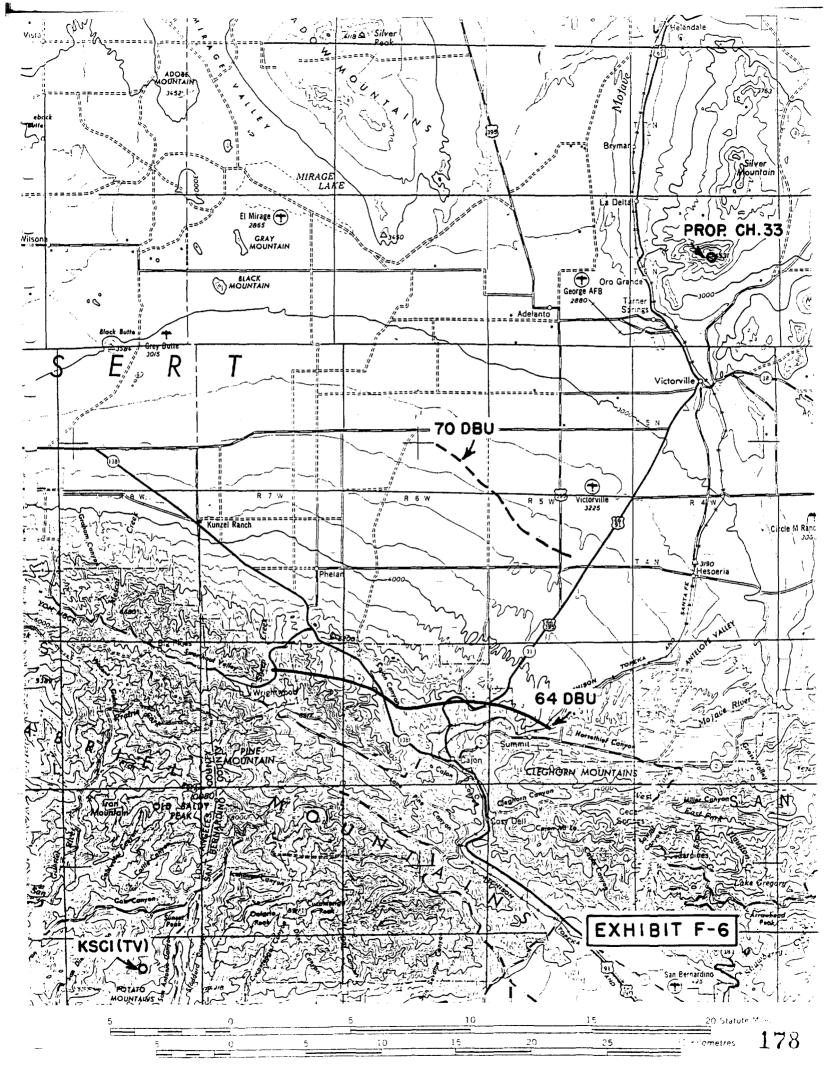
EXHIBIT VI

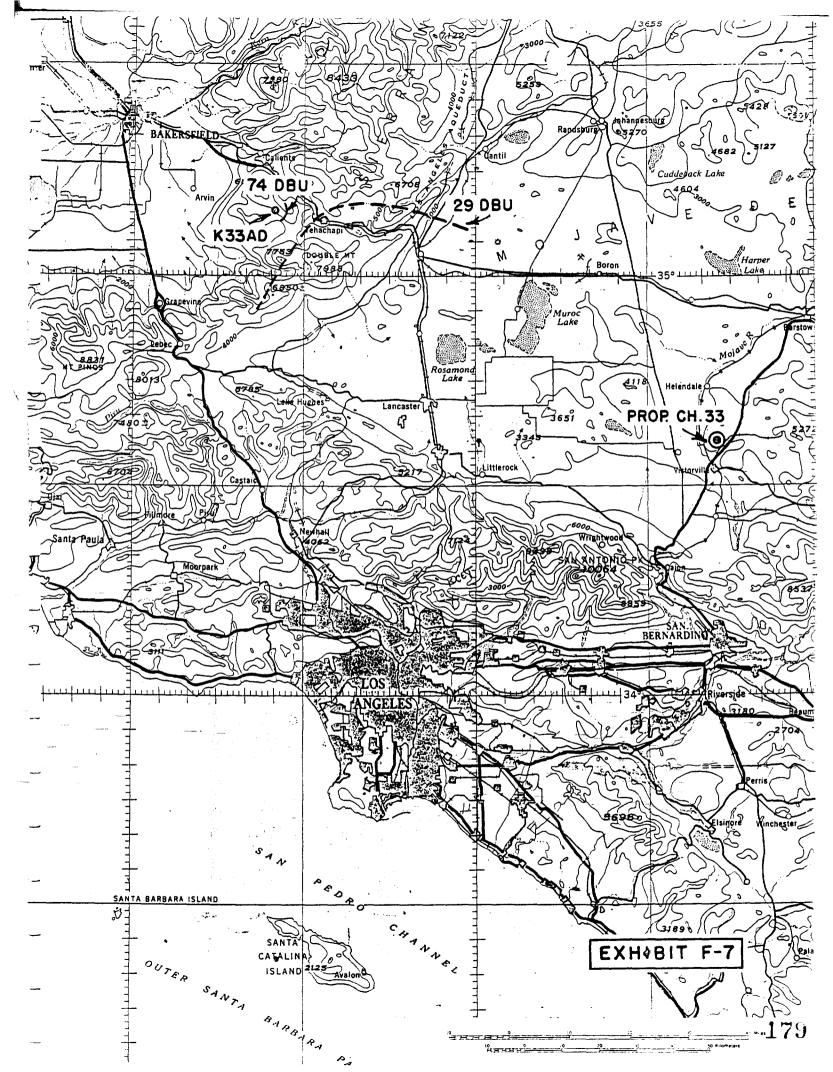


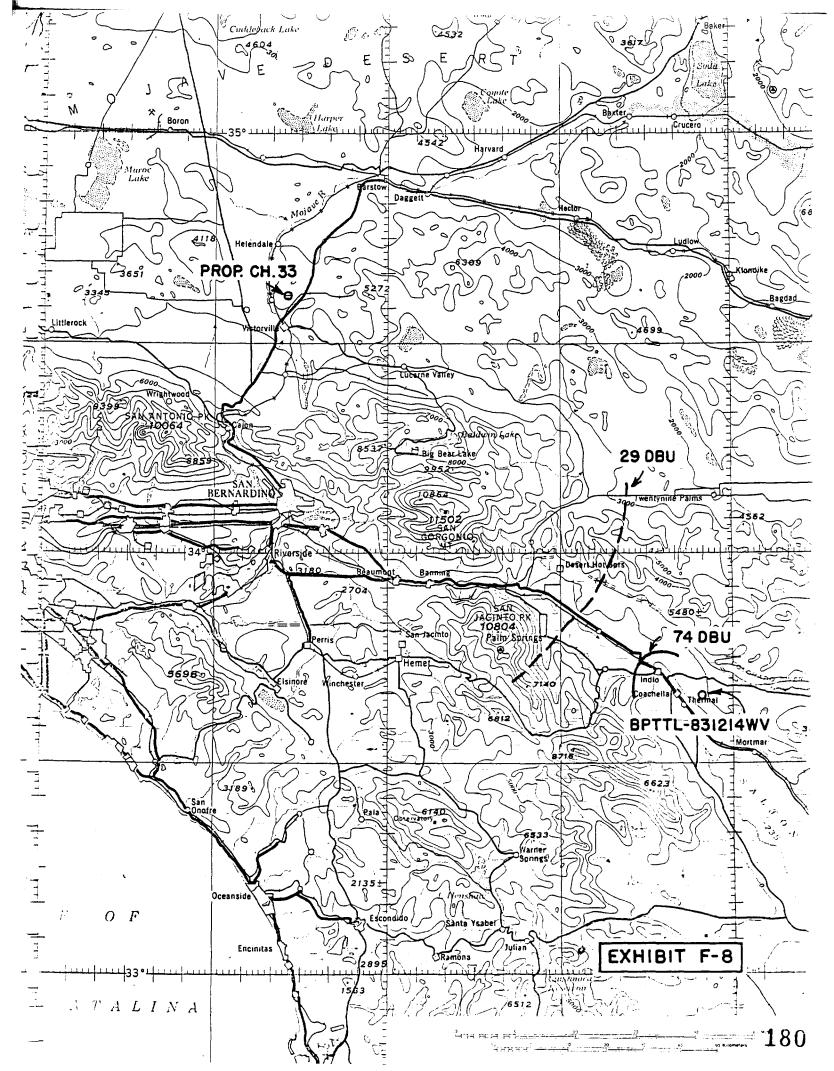
ANTENNA VERTICAL PLANE RADIATION PATTERN

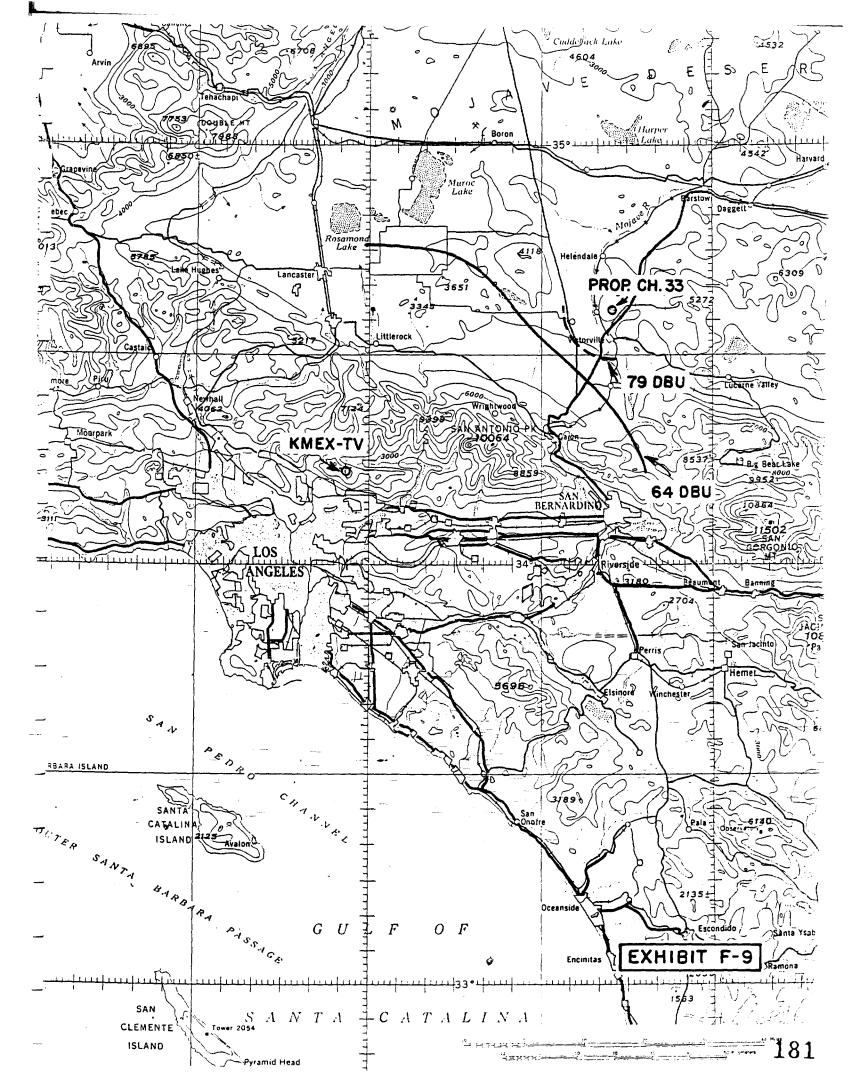
SPANISH INTERNATIONAL COMMUNICATIONS CORPORATION_
STATION KMEX-TV LOS ANGELES, CALIFORNIA
CH 34 1950 KW (MAX) DA 2940 FT

CH 34 1950 KW (MAX) DA 2940 FT
Julea Cohen & Associates Consulting Electronics Enginerals









ENGINEERING DATA

•	, Output	Transmitte	er Rated	Proposed Princip	pal Community(ies) to	be served	
	Channel No.	. Power C	Dutput		City		State
	33	100	<u>0</u> w	[V, I, C, T, O,	R, V, I, L, L, E, ,		<u>G</u> A
	Frequency _	584-590 M	Hz.				
	Primary station	n (station to be rebroad	dcast — Translat	or station only)	•		
	Call Sign KTBN-TV	<u> </u>	Cit	y 	State [C, A]	Frequence 62 6- 632	;y MHz.
b	•	ver TV and TV Transla	•)	·	Channel Frequency	
	*	.,	Plus offset	☐ Minus offset	No. 62	758-764	MHz.
11	f station is to operat	e via another translato	r station, indicate	e call sign and location	on of final intermediate	e translator.	
			K62AN, Lan	<u>caster, Califo</u>	ornia		
P	roposed transmitter	location;					
n ₁ e	elairi VIIIC	City _T_0_R_V_I_L_L	<u>.E</u>		State [C ₁ A]		
Sı.E	A.N. B.E.R.N	County ARDINO			-		
A	Address or other des	cription of location					
		or process	,		Geographical coord	dinates of transmitting	antenna
	Atop Quart	zsite Mountain			tò nearest second		
	Atop Quart			[- ·	West Long	
		zsite Mountain	map or maps (or		to nearest second North Latitude 3,41° [3,6]′ [3,	West Long 61"- [] , 7] ° [] ,	itude 7] ' [] 3
	uttach as Exhibit No.	zsite Mountain		eferably topographic,	to nearest second North Latitude 3,41° [3,6]′ [3] if obtainable, such as 0	West Long	itude 7] ' [] 3
o	attach as Exhibit No. If the area of the pro	zsite Mountain	ation shown draw	eferably topographic, in thereon the followi	tò nearest second North Latitude 3,41° [3,6]′ [3, if obtainable, such as 0 ng data: c. Principal commu	West Long 61"- [] , 7] ° [] ,	itude 7] ' [1,3] rangles) for
o	attach as Exhibit No. If the area of the pro	zsite MountainBa opposed transmitter loca	ely plotted.	eferably topographic, in thereon the followi	tò nearest second North Latitude 3,41° [3,6]′ [3, if obtainable, such as 0 ng data: c. Principal commu	West Long 61" [], 71° [], Geological Survey quad	itude 7]' [], 3 rangles) for e proposed
o a t	attach as Exhibit No. If the area of the pro	B a poposed transmitter local	ition shown draw	eferably topographic, on thereon the followi	tò nearest second North Latitude 3,41° [3,6]′ [3, if obtainable, such as 0 ng data: c. Principal commu station, clearly ic	West Long 61" [1,1,7]° [1,1] Geological Survey quad unity to be served by the dentified and labeled.	rangles) for expressed
o a t 3. T	Attach as Exhibit No. If the area of the pro Scale of miles. Proposed transi	B a poposed transmitter local	ely plotted. Re Technology	eferably topographic, on thereon the following	tò nearest second North Latitude 3 14 1° [3 16]′ [3 1 if obtainable, such as ong data: c. Principal commustation, clearly ic	West Long 61" [1,1,7]° [1,1] Geological Survey quad inity to be served by the dentified and labeled. Output Powe 0.074 Rated efficiency £ for I (decima: fracti	itude 7.1' [1.3 rangles) for e proposed er kw. ength giver
3. T	Attach as Exhibit No. of the area of the pro a. Scale of miles. b. Proposed transa	B a posed transmitter local mitter location accurate Main Television — Andrew	ely plotted. Re Technology	Type No.	tò nearest second North Latitude 3 4 ° [3 6] ′ [3] if obtainable, such as 0 ng data: c. Principal commu station, clearly ic	West Long 61" [1,1,7]° [1,1] Geological Survey quad unity to be served by the dentified and labeled. Output Powe 0.074 Rated efficiency £ for I	itude 7.1' [1.3 rangles) for e proposed er kw. ength giver
3. T	Attach as Exhibit No. If the area of the pro I. Scale of miles. D. Proposed transificansmitter: Fransmission line:	B a posed transmitter local mitter location accurate Main Television — Andrew	ely plotted. Re Technology	Type No. UUST-105B	tò nearest second North Latitude 3 4 ° [3 6] ′ [3] if obtainable, such as 0 ng data: c. Principal commu station, clearly ic	West Long 61" [1,1,7]° [1,1] Geological Survey quad inity to be served by the dentified and labeled. Output Powe 0.074 Rated efficiency £ for I (decima: fracti	rangles) for e proposed kw. ength given
3. T	Attach as Exhibit No. of the area of the pro- a. Scale of miles. o. Proposed transformal transmitter: Fransmission line: Man	B a poposed transmitter local mitter location accurate Make Television — Andrew a Direction	ely plotted. Re Technology	Type No. UUST-105B HJ7-50A	tò nearest second North Latitude 3 14 1° [3 16]′ [3] if obtainable, such as ong data: c. Principal commustation, clearly ic Length 50 ft.	West Long 61" 11173° 11. Geological Survey quad unity to be served by the dentified and labeled. Output Power 0.074 Rated efficiency £ for (decima: fraction) 0.943	itude 7.1' [1.3 rangles) for e proposed er kw. ength giver
3. T	Attach as Exhibit No. of the area of the pro- a. Scale of miles. o. Proposed transic fransmitter: Fransmission line: Man- Bog Orientation ²	B a poposed transmitter local mitter location accurate Make Television — Andrew a Direction ufacturer	ely plotted. Re Technology	Type No. UUST-105B HJ7-50A Non-Directional Model' B4UR	tò nearest second North Latitude 3 141° [3 16]′ [3] if obtainable, such as ong data: c. Principal commustation, clearly ic Length 50 ft. S10 ower gain G (multiplie radiation relative to	West Long 61" 11171° 11. Geological Survey quad unity to be served by the fentified and labeled. Output Powe 0.074 Rated efficiency £ for I (decima: fraction) Otted cylinder or in lobe of maximum a halfway dipole 1	rangles) for e proposed kw. ength given
3. T	Attach as Exhibit No. of the area of the pro- a. Scale of miles. o. Proposed transformal transmitter: Fransmission line: Man- Bog	B a posed transmitter local mitter location accurate Make Television — Andrew a Direction ufacturer	ely plotted. Re Technology	Type No. UUST-105B HJ7-50A Non-Directional Model' B4UR Site' Po	tò nearest second North Latitude 3 141° [3 16]′ [3] if obtainable, such as ong data: c. Principal commustation, clearly ic Length 50 ft.	West Long 61" 11171° 11. Geological Survey quad unity to be served by the fentified and labeled. Output Powe 0.074 Rated efficiency £ for I (decima: fraction) Otted cylinder or in lobe of maximum a halfway dipole 1	rangles) for e proposed kw. ength given

^{&#}x27;Give basic type using general descriptive terms such as half-wave dipole, "bow-tie" with screen, comer reflector. 10 element Yagi, 4 element in-phase array, two stacked 5 element Yagis, etc.

Show the direction of the main radiation lobe in degrees with respect to true north in a 360 degree horizontal azimuth, numbered clockwise, with true north as zero

²Show height to topmost portion of structure, including highest top mounted antenna and beacon if any ³Show the ground elevation above mean sea level at the base of the transmitting antenna supporting structure

⁵Give the actual power gain toward the radio horizon.

6.	Attach as Exhibit No center of radiation abo level in feet for all signi between receiving and	ove ground, overall hi ificant features for B	eight of structure at OTH RECEIVING AN	oove ground, inclu	uding lighting beaco	on (if any) and hei	ght above i	mean sea
7.	Will the proposed ant	enna supporting str	ucture be shared w	ith another statio	n or stations of any	class?		
	If Yes, list the call sig	ns and class of such	n stations.				YES	□ NO
		Various no	n-broadcast	facilities				
8.	Attach as Exhibit No. showing clearly the cotabulation of the patte transmitting antennas be employed, i.e. an adiagram.	orrect relationship be ern at every ten degre sshall submit a comp	etween the major lot les and all maxima a losite radiation patte	be or lobes and the nd minima. Applic ern. If a non direct	e minor lobes of radi cants proposing use tional transmitting a	ation and a of multiple ntenna will		
9.	Has FAA been notifie	d of proposed cons	truction?				□ YES	₩ NO
	If Yes, give date and No cha	office where notice ange in overa		location o	f existing s	tructure		
10.	Unattended operation	n:	-					
	a. Is unattended or	peration proposed?					DA YES	□ NO
	which proposes	application is for aut unattended operatic Section 74.1234 (FM	on for the first time,	applicant will con	nply with the severa	I requirements o		
		state name, address on of the translator					in an eme	rgency to
	Name	Address (street or	other description)	City	State	Telepho		
	Ben Miller	TRINITY BRO	ADCASTING NE	TWORK, INC.		(include	area code)
			California.	92711		(704) 832-	-2950	
l ce and	rtify that I represent the	applicant in the capast of my knowledge	acity indicated below and belief.	w and that I have e	xamined the forego	ing statement of t	echnical ir	ıformation
	K 1 . /	//	41.9187		(202) 293-	7742		
Sig	nature (Print-name belo	ow)	Date	Telepi	hone No. (include	area code)		
KE	VIN T. FISHER	- B		-	- · ·			
	Technical Director	. 🗆	Registered Profess	sional Engineer		Consulting	Engineer	
	Chief Operator		Other (specify)					

JOSEPH E. DUNNE III COLBY M. MAY*

ALSO ADMITTED IN VIRGINIA

MAY & DUNNE
CHARTERED
ATTORNEYS AT LAW

1156 - 15TH STREET, N.W.

SUITE 515

WASHINGTON, D.C. 20005-1704 (202) 223-9013 RICHARD G. GAY

TELECOPIER NO. (202) 223-6992

May 12, 1987

HAND DELIVER

Mr. William J. Tricarico Secretary Federal Communications Commission Washington, D.C. 20554

MAY 1 317537

Office of the Promotory

RE: Trinity Broadcasting Network, Inc. Minor Modification of Television Translator K55CN, Bakersfield, California

Dear Mr. Tricarico:

Filed herewith, in triplicate, on behalf of the Trinity Broadcasting Network, Inc. (TBN), is a minor change application concerning the referenced television translator. This application involves a channel change from channel 55 to channel 58, and is necessitated by the recently granted authorization of Dorothy J. Owens for channel 48, Bakersfield, California (BPCT-850222KG). This application is therefore being submitted in accordance with the new standards enunciated by the Commission on February 27, 1987 in its Report and Order in MM Docket No. 86-286, FCC 87-44.

This channel modification will not result in any interference to any existing full power, low power or television translator licensee, permittee or applicant. Moreover, TBN represents as part of its application that it will take whatever steps are necessary to correct any interference problems which may occur, although none are predicted.

Finally, since the channel change herein requested is defined as a "minor change" in accordance with the Report and Order in MM Docket No. 86-286, no fee is required.

May 12, 1987 Page 2

If any questions should arise concerning this matter, kindly contact the undersigned directly.

Respectfully submitted,

TRINITY BROADCASTING NETWORK, INC.

Ву:

Colby M. May Its Attorney

CMM:gmcB78

xc: Mrs. Jane Duff Ben Miller

COMMISSION USE ONLY	
File No.	

APPLICATION FOR AUTHORITY TO CONSTRUCT OR MAKE CHANGES IN A LOW POWER TV, TV TRANSLATOR OR FM TRANSLATOR STATION (Carefully read instructions before filling out form—RETURN ONLY FORM TO FCC)

Section 1	GENE	ERAL INFORMATION			
Name of Applicant					
Trinity Broadca	sting Network, Inc.		City		
2, 4, 4, 2, , M, I, C,	H ₁ E ₁ L ₁ L ₂ E ₁ D ₁ R ₁ I ₁ V ₁ A ₁	TIU, SITI II NI I		1-1-1-1-1-1-1	
State	ZIP Code	Telephone No	. (include	area code)	
لمنكا	9, 2, 6, 8, 0	(714) 832	•	·	
2. This application is for:	(check one box)				
☐ FM Translator	□ Low Power Television	Low Power TV-Subscription T\ (FCC approved technical system	/ n)	☐ TV Translator	
(a) Channel No.	(b) Community of License	City	State		
5.5	BI AI KI EI RI SI FI II E	1	LCIAL		
(c) Check the appropriate	boxes below:				
(1) New Station	*(2) Modification of Constructi (Check this box only if CF	on Permit (CP) P is not covered by an operating license	e)	CP File No.	
					
(3) Change in licens	sed facilities	e November		Call Letters	
☐ (check Ma	jor or Minor)	· · · · · · · · · · · · · · · · · · ·		K55CN	
Major 🗆	Minor,			Application Referen	ice No.
			- uga adding a		
Note: *If the proposed	ted signal contours as Exhibit No. =	on 73.3572 of the Commission's Rules a			
3. (a) Is this application	n mutually exclusive with a renewal	application?		☐ Yes	⊠ No
(b) To the applicant if the answer to	's knowledge, is this application mui question 3(a) or 3(b) is Yes, state th	tually exclusive with another application e following information.	n(s)?	☐ Yes	⊠ No
Call letters	or File No.	Community of Licen	se		State
(a)		City	<u>. i . i . i</u>	لسسسا	الللا
		<u>, , , , , , , , , , , , , , , , , , , </u>	_1_1_1_		لـــا
(b)					

GENERAL INFORMATION

			YES	NO
·	4.	(a) Is translator applicant the licensee of primary station?	Ø	
•		(b) If answer to 4(a) is No. has written authority been obtained from the licensee of the station whose programs are to be retransmitted?		
	5.	Station Identification.		
•		The Applicant certifies that it will comply with applicable station identification rules. See Sections 73.1201, 74.783 and 74.1283 of the Commission's Rules.	Ø	
	6.	Is type approved broadcast equipment being specified?	X	
		If No, indicate date equipment was submitted to FCC Laboratory for approval.		
•	7.	Would a Commission grant of your application be a major action as defined by Section 1.1305 of the of the Commission's Rules?		23
•		If Yes, attach as Exhibit No the required statement in accordance with Section 1.1311 of the Commission's Rules.		
		If No, explain briefly.		
·	8.	If the application is for a new FM translator, have any funds, legal or engineering services or anything else of value been furnished, directly or indirectly, by the licensee, or permittee of any FM broadcast station or any person associated with such station? N/A	_	
		If Yes, attach an explanation as Exhibit No, identifying the source and nature of the financial support or assistance.	ce.	
•				

FCC 346 (Page 2) April 1985

Applicant's Name 1. Applicant is (check one of the following): an individual a general partnership a limited partnership a corporation □ other -2. If the applicant is an unincorporated association or a legal entity other than an individual, partnership or corporation, described in Exhibit No. ____ the nature of the applicant. N/A CITIZENSHIP AND OTHER STATUTORY REQUIREMENTS YES NO (a) Is the applicant in compliance with the provisions of Section 310 of the Communications Act of 1934, X as amended, relating to interests of aliens and foreign governments? (b) Will any funds, credit, etc., for the construction, purchase or operation of the station(s) be provided X by aliens, foreign entities, domestic entities controlled by aliens, or other agents? If yes, provide particulars as Exhibit No. ____. Has an adverse finding been made, adverse final action taken or consent decree approved by any court or administrative body as to the applicant or any party to the application in any civil or criminal proceeding brought under the provisions of any law related to the following: any felony, antitrust, unfair competition, fraud, unfair labor practices or discrimination? Is there now pending in any court or administrative-body any proceeding involving any of the matters X referred to in 4(a)? If the answer to 4(a) or 4(b) is Yes, attach as Exhibit No. _____, a full disclosure concerning the persons and matters involved, identifying the court or administrative body and the proceeding (by dates and file numbers), stating the facts upon which the proceeding was based or the nature of the offense committed, and disposition or current status of the matter. NO Has the applicant or any party to this application had any interest in: an application which has been dismissed with prejudice by the Commission? X (b) an application which has been denied by the Commission? (c) a broadcast station, the license for which has been revoked? (d) an application in any commission proceeding which left unresolved character issues against the applicant? If the answer to any of the questions in 5 is yes, state in Exhibit No. ____ the following: (i) Name, address and percentage of ownership in applicant; Nature of interest or connection, giving dates; φ(iii) Call letters of stations or file number of application or docket number; (iv) Location.

LEGAL QUALIFICATIONS

Section II

LEGAL QUALIFICATIONS

Multiple Applications

		YES	NO
6.	The applicant certifies that there is no other application pending that would be directly mutually exclusive with this application in which this applicant has an interest of one percent or more of in which any party to this application is an officer, director or has an interest of one percent or more, direct or indirect.	⊠	
	if no, this application cannot be accepted for filing.		
	Real Party In Interest Certification		
7.	The applicant certifies that no agreement, either explicit or implicit, has been entered into for the purposes of transferring or assigning to another party, any station construction permit or license or interest therein that is awarded as a result of a random selection or lottery.	Ø	
	If No, this application cannot be accepted for filing.		
	Site Certification		
8.	The applicant certifies that it has contacted an authorized spokesperson for the owner of the rights to the proposed transmitter site and has obtained reasonable assurance that the site will be available for its use if this application is granted. N/Amodification of K55CN facility to Channel 58		
	due to the authorization of full power channel 48, Bakersfield, CA The person is who can be contacted at the following address and telephone nur	nber.	
	Mailing Address or Identification		
	City State ZIP Code		
	Telephone No. (Include area code)		

FCC 346 (Page 4) April 1935

Section III

FINANCIAL QUALIFICATIONS

(FM Translator Applicants only)

Note: If this application is for a change in an operating facility, DO NOT fill out this section.

		N/A YES NO
1.	The applicant certifies that sufficient net liquid assets are on hand or are available from committed sources to construct and operate the requested facilities for three months without revenue.	0 0
2.	The applicant certifies that: (a) it has a reasonable assurance of a present firm intention for each agreement to furnish capital or purchase capital stock by parties to the application, each loan by banks, financial institutions or others and each purchase of equipment on credit; (b) it can and will meet all contractual requirements as to the collateral, guarantees, and capital investment; (c) it has determined that a reasonable assurance exists that all such (excluding banks, financial institutions and equipment manufacturers) have sufficient net liquid assets to meet these commitments.	N/A

Section IV

PROGRAM SERVICE STATEMENT

Note: For Low Power Television (including subscription television applicants) only:

1. Low Power Television stations must offer a broadcast program service; a non-program broadcast service will not be permitted. Therefore, attach as Exhibit No. _____, a brief description, in narrative form, of your planned programming service.

190

FCC 346 (Page 5) April 1985

Does the applicant propose to employ five or more fulltime employees?	☐ YES ☐ N
If the answer if Yes, the applicant must include an EEO program called for in the separate 5 Point Model EEO Program.	N/A
Section Vill Certification	
Has or will the applicant comply with the public notice requirement of Section 73.3580 of the Commission's Rules?	☐ YES ☐ N
The APPLICANT hereby waives any claim to the use of any particular frequency as against the regulatory power of the Unif the previous use of the same, whether by license or otherwise, and requests an authorization in accordance with this application of the Communications Act of 1934, as amended.)	
The APPLICANT acknowledges that all the statements made in this application and attached exhibits are considered material and that all exhibits are a material part hereof and incorporated herein.	rial representations
The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determinated discation with which it may be in conflict.	on on any other ap
The APPLICANT represents that this application is not filed for the purpose of impeding, obstructing, or delaying determination	
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FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT

The solicitation of personal information requested in this application is authorized by the Communications Act of 1934, as amended. The principal purpose for which the information will be used is to determine if the benefit requested is consistent with the public interest. The staff, consisting variously of attorneys, accountants, engineers, and application examiners, will use the information to determine whether the application should be granted, denied, dismissed, or designated for hearing. If all the information requested is not provided, the application may be returned without action having been taken upon it or its processing may be delayed while a request is made to provide the missing information. Accordingly, every effort should be made to provide all necessary information. Your response is required to obtain the requested Authority.

THE FOREGOING NOTICE IS REQUIRED BY THE PRIVACY ACT OF 1974, P.L. 93-579, DECEMBER 31, 1974, 5 U.S.C. 552a(e)(3) AND THE PAPERWORK REDUCTION ACT OF 1980, P.L. 96-511, DECEMBER 11, 1980, 44 U.S.C. 3507.

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ENGINEERING REPORT

TRINITY BROADCASTING NETWORK; INC.

PROPOSED TELEVISION TRANSLATOR K55CN CHANNEL 55 - BAKERSFIELD, CALIFORNIA

MAY, 1987

CONTENTS

AFFIDAVIT

EXHIBIT A Engineering Statement

EXHIBIT B Elevation of Antenna Structure

EXHIBIT C 🛴 Terrain Data

EXHIBIT D 🚙 Antenna Radiation Pattern Data 🕏

EXHIBIT E Allocation Study Data

FCC FORM 346, Section VI

SMITH AND POWSTENKO

Broadcasting and telecommunications consultants

AFFIDAVIT

CITY OF WASHINGTON, ss: DISTRICT OF COLUMBIA

Kevin T. Fisher, having been duly sworn, deposes and says that:

- 1. He is a broadcasting consultant practicing in the City of Washington, District of Columbia; he is an associate of the firm of Smith and Powstenko; and his qualifications are on file with the Federal Communications Commission.
- 2. The firm of Smith and Powstenko has been retained by TRINITY BROADCASTING NETWORK, INC., licensee of Television Translator K55CN, Channel 55, Bakersfield, California, to prepare engineering data in support of its Application for Construction Permit to specify operation on Channel 58 rather than on Channel 55.
- 3. The foregoing statements and the attached Engineering Report, which was prepared by him or under his immediate supervision, are true and correct to the best of his knowledge and belief.

Subscribed and sworn to before me this // day of

My Commission Expires November 30, 1990

EXHIBIT A

ENGINEERING STATEMENT

The engineering data contained herein have been prepared on behalf of TRINITY BROADCASTING NETWORK, INC. ("TBN"), licensee of Television Translator K55CN, Channel 55, Bakersfield, California, rebroadcasting KTBN-TV, Channel 40, Santa Ana, California. It is proposed by TBN to make changes in its translator facilities, and the attached data supports its Application for Construction Permit to effect such changes.

TBN wishes to change the channel on which K55CN now operates to Channel 58 to avoid receiving severe interference from a soon-to-be-implemented authorization for a new full-service UHF television station on Channel 48 in-Bakersfield (BPCT-850222KG). That Construction Permit specifies a site that is but 100 feet from K55CN, and such proximity would certainly result in significant degradation of K55CN's signal. We therefore conducted a thorough search of the UHF band to find another channel on which K55CN could operate without causing interference to any licensed, authorized, or proposed full-service or translator/LPTV facility. The result is the instant proposal for operation on Channel 58.

Since the location of the K55CN site will remain as licensed in BLTT-821014IM, no site location map is included herein. K55CN is presently mounted on a tower which also supports three Bakersfield FM stations, KQXR, KGFM, and KKXX, as well as KPWR-TV, Channel 17, Bakersfield. Exhibit B depicts a standard Bogner B4US antenna mounted on the existing supporting

EXHIBIT A

structure. Exhibit C is a tabulation of terrain data for the present site. These data were generated by computer, using the NGDC 30-second point topography data base.

Antenna radiation pattern data are included as Exhibit D, and a detailed allocation study describing the criteria for the use of Channel 58 by K55CN is provided as Exhibit E. Since no change in the overall height or location of K55CN is being proposed, the FAA has not been notified of this application.

Now that the FCC considers the biological effects of non-ionizing electromagnetic radiation in its environmental determinations, this subject has been studied with respect to the proposed facility. Assuming an ERP of 9.24 kw (average visual power plus aural power [assumed to be 20 percent of peak visual power]), an effective antenna height of 10.7 meters above ground, and a typical UHF antenna relative field of 0.10 in the vertical plane (from OST Bulletin No. 65), the maximum calculated power density at the base of the tower is 0.027 mw/cm². According to the cited bulletin the maximum allowable power density for a station transmitting on this frequency (734-740 MHz) is 2.45 mw/cm². Thus, operation of the proposed translator would contribute little more than one percent to the total allowable radiation environment, and a grant of this proposal would certainly not be considered a major environmental action in this respect. However, due to the complicated nature of power density calculations at multi-user communications sites such as that on Mount Adelade, applicant will actively

EXHIBIT A

participate in a joint engineering study to determine power density levels at this site if such is deemed to be necessary.

It is important to note that K55CN has operated atop Mount Adelade, along with numerous other broadcast facilities, on a non-interference basis for a number of years. While it is believed that operation on Channel 58 will not interfere with the operations of other facilities at this communications site, if such a problem should arise, applicant will take whatever corrective steps are necessary to remedy it.